

Serial No. 10/073,570  
Page 2 of 7RECEIVED  
CENTRAL FAX CENTER  
DEC 21 2006**IN THE CLAIMS**

1. (currently amended) A device for processing data signals, comprising:  
a plurality of input interfaces each ~~for~~ inputting an input signal; and  
a multiplexing circuit ~~for~~ multiplexing a plurality of input-output signals from the  
plurality of input interfaces,

wherein said each of the plurality of input interfaces comprises:

a storing part storing the input signal; and

an extracting part extracting said data signals included in said input signal from  
said storing part and outputting said data signals ~~at a desired output speed to said~~  
multiplexing circuit,

wherein said extracting part receives storage state information of said input signal  
from said storing part and outputs said data signals based on the storage state information  
of said input signal.

2. (currently amended) The device as claimed in claim 1, wherein:  
said storing part includes a first memory part, a second memory part, and a third memory  
part;

said input signal is stored ~~in an order of~~ sequentially to the first memory part, the second  
memory part, and the third memory part; and

said second memory part signals said extracting part of said storage state information of  
said second memory part.

84184460\_1.DOC

Serial No. 10/073,570

Page 3 of 7

3. (previously presented) The device as claimed in claim 1, wherein when an empty release is notified from said storing part, said extracting part outputs said data signals, in which an invalid data signal is inserted to said input signal.

4. (previously presented) The device as claimed in claim 1, wherein when an empty release is notified from said storing part, said extracting part outputs said data signals in which an invalid data signal included in said input signal is deleted.

5. (previously presented) The device as claimed in claim 1, wherein said extracting part comprises:

a monitoring part monitoring said data signals input from said storing part;

a data determining part determining said data signals based on a notice of said storage state information from said storing part and a notice of validity of said data signals from said monitoring part; and

an invalid data generating part generating invalid data to insert into said input signal,

wherein said invalid data generating part inserts said invalid data into said input signal in response to a determination notice from said data determining part.

6. (previously presented) The device as claimed in claim 1, wherein said extracting part comprises:

a monitoring part monitoring said data signals output from said storing part;

84184460\_1.DOC

Serial No. 10/073,570

Page 4 of 7

a no-data code determining part determining a no-data code based on a notice of said storage state information from said storing part and a notice of validity of said data signals from said monitoring part; and

a deleting part deleting said no-data code included in said input signal in response to a determination notice.

7. - 8. (canceled)

84184460\_1.DOC